

## ***Chapter 5***

### ***Resource Plan***

The Mississippi River Project Master Plan provides guidance for the orderly development, use and management of Project resources. Resource planning takes into consideration authorized Project purposes, public interests, regional needs, and opportunities and constraints that influence development and management. All proposed development is designed to be compatible with the project's natural and cultural resources. Project planning and land classification deals with several factors: seasonal flooding, soils, ecological conditions, existing and projected recreation demand, existing plans and management objectives of managing agencies, state and local participation and interest, operational characteristics, and applicable laws, regulations and policies.

#### ***Other Plans and Authorizations***

The resource plan does not supplant planning for the Upper Mississippi River Restoration - Environmental Management Program (UMRR-EMP) as well as existing USFWS Comprehensive Conservation Plans (CCP) and Habitat Management Plans (HMP). These planning processes are separately authorized, funded, and planned. They take into account existing Corps land classifications. The resource areas described in Chapter 5 therefore do not specifically include proposed plans for UMRR-EMP Habitat Rehabilitation and Enhancement Projects (HREP) or specific USFWS plans. Chapter 6 includes some additional information on UMRR-EMP HREPs and FWS CCPs and HMPs.

The Master Plan is not a plan for Navigation or Emergency Management. As such, it doesn't include proposed plans for locks and dams, service base, channel training structures, Dredged Material Management (DMMP), Flood Risk Management, and other plans. Please reference those plans for specific details.

#### ***Environmentally Sensitive Areas***

Project areas classified as an Environmentally Sensitive Area were determined by identifying those areas as having significant resource importance. Table \* shows the compiled mapping and data referenced for the Corps initial review of proposed Environmentally Sensitive Areas. Corps staff compiled available GIS data into a Sensitive Area Layer and jointly reviewed areas within Project for ESA consideration. The team selected ESA areas that typically had a preponderance of evidence from the Sensitive Area Layer and staff knowledge from factors include in the table. The Corps selected thirty-eight locations for proposal as ESAs during agency coordination meetings in 2016. The agencies provided feedback to help shape the final size and selection of ESAs to be presented to the public during the draft master plan public comment period and open house.

<b>Data Layer Name</b>	<b>Source</b>	<b>Data type</b>	<b>Data contents</b>
Natural Resource Inventory	USFWS and Cooperating agencies	Point based GIS file	Point locations for mussel beds and sanctuaries, fish spawning and over-wintering areas, commercial and sport fisheries, rookeries, bald eagle nesting and roosting areas, migratory bird habitats (waterfowl and songbirds), threatened and endangered species (precise locations are not currently included in the database), unique habitats,

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.

			HREPs, navigation related, and enhancement opportunities as provided by resource agencies.
Higgins Eye Essential Habitat Area	Corps	Polygon GIS file	Designated essential habitat areas for Higgins Eye Pearly Mussel
Corps Forest Inventory	Corps	Polygon GIS file	Level II Forest Inventory Layer of Project including overstory, understory, ground, and notable species data symbolized for tree species diversity.
Cultural Sites	State SHPOs	Polygon GIS file	Known cultural sites.
Mitigation sites	Corps	Files, staff	Locations of statutory mitigation sites
HREP Sites	Corps	Polygon	UMRR EMP –HREP environmental restoration sites
Refuge	FWS states	CCP, staff	State and FWS seasonal prohibited access refuge areas
Natural Area	Corps, state	LUAP, CCPs, State websites	Natural Areas or similar designations in Corps LUAP, state designated areas, FWS Research Natural Areas
Forest Monitoring Sites	Corps, USGS	Point, staff	Corps and Upper Midwest Environmental Science Center permanently marked bottomland forestry plots.
Sand prairie	Staff	Staff	Sand prairie areas
Listed bat habitat	Staff	Staff	Staff knowledge of Indiana Bat and Northern Long Eared Bat ranges and roosting habitat preferences
NGO designations	NGO	Files, staff	Project lands with designations for Wetland of International Importance, Globally Important Bird Area, Amphibian and Reptile Conservation Areas
Important non-game wildlife sites	Corps, State, FWS	Files, staff	Knowledge and files regarding documented locations of sites supporting diverse bird species included state listed such as red shouldered hawk or brown creeper.
Geo-morphology	Corps	LiDAR GIS, staff	Knowledge of diverse physiographic features such as ridge and swale topography via onsite knowledge or LiDAR data use.

### *Forest Stewardship*

Project areas classified as Environmentally Sensitive Area, Wildlife Management, and Vegetative Management are all subject to follow Future Management Recommendations actions with the intent to reach system wide goals and objectives outlined under the Upper Mississippi River Systemic Forest Stewardship Plan (UMRSFSP). This public plan is not being revised as part of the MP. The UMRSFSP is separately planned, funded, and authorized. This plan outlines specific target distributions of forest age class, structure class, forest community, and species diversity to direct management decisions described herein by resource area. Each area will detail forest management actions to be implemented for that area as purposed future development. Continuing monitoring and timber inventory will be conducted to target specific treatment prescriptions that will proceed through appropriate coordination with managing agency partners to ensure actions mesh with their wildlife and habitat planning and vetted through Operational and Management Plan (OMP I) task packages. Future Management Recommendations will be with the intent to establish the outlined distribution of forest conditions of each forest dynamic addressed in the UMRSFSP on a mosaic across the entirety of managed areas within the project. Future Management Recommendations under active management coverage by area classification are targets to be reached within a forest system that primarily is based on a 100 year rotation of natural development expectancy; active management implementation of proposed coverage expected to be reached within 30 years of this plan.

DRAFT

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.

## Navigation Pool 11

This pool includes 3,981 land acres and 5,533 water acres; total of 9,514 acres. Within the total acres of fee title there is 8,789 acres of GP lands and waters. Fee title land acres by state include: 1,982 acres in Iowa and 2,000 acres in Wisconsin.

### Environmentally Sensitive Area:

**Cassville Environmentally Sensitive Area (11-E-1)**  
**Grant County, Wisconsin**  
**Mississippi River Mile: 607.3-607.6 L**  
**Managed By: US Army Corps of Engineers (formerly FWS)**  
**Acreage:**  
**Plates:**

*General Description:* The area primarily includes forested upland and wetland community types. Forested community types include pine mix, oak and hickory, and bottomland hardwoods mix. Hunting and other public use in this area are managed in accordance with the Wisconsin Wildlife Code and Title 36. Developments include a maintenance pole building and access road which the FWS is planning to remove as part of their site restorations before returning site management to the Corps.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 15% to 20% and actively manage 80% to 85% of the area. Active management to reach UMRSFSP goals and objectives will include timber stand improvements.

**Bertom Lake and McCartney Lake Environmentally Sensitive Area (11-E-2)**  
**Grant County, Wisconsin**  
**Mississippi River Mile: 598.5-604.5 R/L**  
**Managed By: US Fish & Wildlife Service McGregor District**  
**Acreage:**  
**Plates:**

*General Description:* The area primarily includes, but not limited to, forested and non-forested wetland community types. Forested community types include silver maple, oak and hickory, cottonwood, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Wisconsin Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include a public boat ramp, EMP-HREP projects, and maintenance trails.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 60% and actively manage 40% of the area. Active management to reach

UMRSFSP goals and objectives will include tree plantings, timber stand improvements, and timber harvest.

**Grant River Environmentally Sensitive Area (11-E-3)**

**Grant County, Wisconsin**

**Mississippi River Mile: 593-594 R/L**

**Managed By: US Fish & Wildlife Service McGregor District**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Wisconsin Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. This area has no developments.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 100% and actively manage 0% of the area.

**Patzner Environmentally Sensitive Area (11-E-4)**

**Grant County, Wisconsin**

**Mississippi River Mile: 590.8-591.8 L**

**Managed By: US Fish & Wildlife Service McGregor District**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple mix, river birch, willow, oak and hickory, black walnut, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Wisconsin Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. This area has no developments.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 60% and actively manage 40% of the area. Active management to reach UMRSFSP goals and objectives will include tree plantings and timber stand improvements.

### **Wildlife Management:**

**Upper Mississippi River NWFR Managed Pool 11 Areas (11-W-1)**  
**Clayton & Dubuque County, IA and Grant County, Wisconsin**  
**Mississippi River Mile: 613.5-583.0 R/L**  
**Managed By: US Fish & Wildlife Service McGregor District**  
**Land: Cooperative managed 3355 acres**  
**Associated Submerged Land: Cooperative managed 5434 acres**  
**Plates: TBD**

*General Description:* The **Upper Mississippi River NWFR Managed Pool 11 Areas** are cooperatively managed of the Upper Mississippi River National Wildlife & Fish Refuge (NWFR) located from river miles 613.5 to 583.0. Areas include all/or portions of Goetz Island, Island No. 189, Cassville Slough, Turkey River Bottoms, Jack Oak Island, Snyder Slough, Grant River Delta, Bunker Chute, Little Maquoketa River Delta, and Sun Fish Lake. This area is within the McGregor District management of the NWFR. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Iowa Wildlife Code, Wisconsin Wildlife Code, Title 36 and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include EMP-HREP projects, access roads, and maintenance trails.

All areas primarily include forested and non-forested wetland community types. Forested community types include silver maple, silver maple mix, willow, cottonwood, oak and hickory, and bottomland hardwoods mix. Non-forested community types include shrub and scrub, wet meadow and marsh, and grasses and forbs.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 40% to 50% and actively manage 50% to 60% of wildlife areas. Active management to reach UMRSFSP goals and objectives will include tree plantings, timber stand improvements, and timber harvest.

### **Vegetative Management:**

**Pool 11 Vegetative Management Areas (11-V-1)**  
**Dubuque County, Iowa and Grant County, Wisconsin**  
**Mississippi River Mile: 596.1-587.0 R/L**  
**Managed By: US Army Corps of Engineers**  
**Land: less than 626 acres**  
**Associated Submerged Land: less than 99 acres**  
**Plates: TBD**

*General Description:* Navigation Pool 11 Areas managed by the Mississippi River Project, Natural Resource Section. Areas include all/or portions of fee title lands along the shoreline of Iowa at river miles 596.0, 593.5, and 586.0 and the shoreline of Wisconsin at river mile 587.0. These areas are forested and non-forested. Forest community type is bottomland hardwood mix. Hunting and

other public use in this area are managed in accordance with the Iowa Wildlife Code and Title 36. Developments include dredge placement and access roads.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 50% and actively manage 50% of wildlife areas. Active management to reach UMRSFSP goals and objectives will include timber stand improvements.

### **High Density Recreation:**

**Grant River Recreational Area (11-H-1)**  
**Address: 3990 Park Lane, Potosi, WI 53820**  
**Grant County, Wisconsin**  
**Mississippi River Mile: 591 L**  
**Managed by: Corps of Engineers**  
**Acres: 14**  
**Plates:**

*General Description:* **Grant River Recreation Area** is located 2 miles south of Potosi, WI off Highway 133. The campground features a total of 73 designated camping sites which consists of a tent camping area and concrete pads suitable for large recreation vehicles (RV). There are 10 tent camping sites within the designated tent camping area. Tent camping site amenities include fire rings and lantern hooks. The additional 63 camp sites are suitable for large RV type motor homes and the sites also consist of 20/30/50 amperage electrical service, fire ring, picnic table, and shared water hydrant. The campground also consists of paved roads throughout the park, sewer dump station for RV campers, shower building with flushable toilets, 2 sets of vault toilets, 2 playgrounds, 6 picnic sites, basketball court, horseshoe pits, picnic shelter, and a paved overflow parking lot that can accommodate 78 vehicles. There is a concrete boat ramp/launch lane with a courtesy loading dock. The paved boat ramp parking lot can accommodate 8 vehicles with trailers. This campground is open to camping from May 01 through the last Sunday in October. There are separate daily camping fees for tent camping sites and motor home RV sites. **Fee attendant information**

*Future Management Recommendations:*

- Replacement of park fee booth. Current fee booth has been flooded several times causing foundation and interior damage. Replace with a portable structure that can be removed during floods or building that can withstand flooding.
- Update playground equipment and landing areas that meet current standards.
- Upgrade aging electrical system.
- Develop full hookup volunteer sites to support the daily O&M of the park.
- Upgrade some, if not all, campsites to full hookup.
- Pave the 11 gravel campsites.
- Upgrade shower building.
- Integrate utilities into local municipal service if/when option becomes available.

- Install Wi-Fi is capability if/when capability exist in the area.

*General Description:* The **Pool 11 Recreational Outgrant Areas** are individually outgranted areas located throughout the pool. The areas listed below are all recreation outgrants (covered under real estate documents) and not directly managed by the Corps Natural Resource Staff.

#### **Outgrants in Pool 11**

*Future Management Recommendations:* Developments at any of the locations listed above will be vetted and approved through the real estate section, per the outgrant agreements for each particular location.

#### **Low Density Recreation:**

**Low Density Recreation sites include a variety of areas including Cottage Site Lease areas, Limited Development Areas under the SMP, recreation outgrants, Corps managed recreation sites, and other areas.**



Pool 11 Low Density Recreation							
TYPE	RIVER MILE	STATE/COUNTY	TRACT #	# IN TRACT	TOTAL ACRES	LAND USE CLASSIFICATION <sup>1</sup>	RELINQUISHED LAND USE CLASSIFICATION <sup>2</sup>
Cottage	583.90	WI/GRANT	FW-30	6	3.77	Low Density Recreation	
Cottage	584.00	WI/GRANT	FW-31	1	0.5	Low Density Recreation	
Cottage	585.00	IA/DUBUQUE	Fla-03	1	0.13	Recreation Low Dense	
Cottage	585.00	IA/DUBUQUE	Fla-04,08,21	4	2.33	Recreation Low Dense	
Cottage	585.40	IA/DUBUQUE	Fla-07	5	2.98	Recreation Low Dense	
Cottage	585.70	IA/DUBUQUE	Fla-09	3	2.29	Recreation Low Dense	
Cottage	586.00	IA/DUBUQUE	Fla-09,21	1	1.1	Recreation Low Dense	
Cottage	586.10	IA/DUBUQUE	Fla-09,17,21	2	2.3	Recreation Low Dense	
Cottage	586.30	IA/DUBUQUE	Fla-16	1	2.1	Recreation Low Dense	
Cottage	586.30	IA/DUBUQUE	Fla-16,21	1	0.35	Recreation Low Dense	
Cottage	586.30	IA/DUBUQUE	Fla-15,21	1	0.45	Recreation Low Dense	
Cottage	590.45	WI/GRANT	FW-52	4	1.7	Recreation Low Dense	
Cottage	590.60	WI/GRANT	FW-53	5	10	Recreation Low Dense	
Cottage	592.00	IA/DUBUQUE	Fla-50	1	0.1	Recreation Low Dense	
Cottage	599.00	IA/DUBUQUE	Fla-63	1	0.18	Recreation Low Dense	
LDA/Shoreline	599.2	IA/DUBUQUE	Fla-064	1		Recreation Low Dense	
LDA/Shoreline	607.3	WI/GRANT	FW-262	10		Recreation Low Dense	

*General Description:* The **Pool 11 Recreational Outgrant Areas** are individually outgranted areas located throughout the pool. The areas listed below are all recreation outgrants (covered under real estate documents) and not directly managed by the Corps Natural Resource Staff.

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.

Pool 11 Recreation Outgrants						
AREA NAME	RIVER MILE	STATE/COUNTY	TRACT #	ACRES	LAND USE CLASSIFICATION <sup>1</sup>	RELINQUISHED LAND USE CLASSIFICATION <sup>2</sup>
O'Leary Lake	583	WI/GRANT	A-1,2,3,4,5, D-1	5.7	High Density Recreation	
Little Maquoketa River Delta Boat Launch	586	IA/DUBUQUE	Fla-04	NA	High Density Recreation	
Mud Lake and Hawkeye Marina	589.3	IA/DUBUQUE	Fla-45,	68.29	Recreation Intensive Use	
Potosi Pier - boat ramp, picnicking & parking area	592.3	WI/GRANT	FW-193, WIS-13, WIS-14	12.5	Recreation Intensive Use	
Bertom Lake Area/McCartney Landing	601.6	WI/GRANT	FW-217	2	Recreation Intensive Use	
Turkey River Bottoms	607.6	IA/CLAYTON	Fla-94	1.8	Recreation Intensive Use	
Camp-Hide-A-Way	612.3	IA/CLAYTON	Fla-110, Fla-111	1.28	Recreation Intensive Use	
Schleicher's Landing	612.5	WI/GRANT	FW-274	5.1	Recreation Intensive Use	

*Future Management Recommendations:* Developments at any of the locations listed above will be vetted and approved through the real estate section, per the outgrant agreements for each particular location.

### **Project Operations:**

#### **Lock & Dam 11 Area (11-O-1)**

**Address: 3000 Lock & Dam Road, Dubuque, IA 52001**

**Dubuque County, Iowa**

**Mississippi River Mile: 583.0 R**

**Managed by: Corps of Engineers**

**Acres:**

**Plates:**

*General Description:* The **Lock & Dam 11 Area** is located on the northern edge of Dubuque, IA. A complex of islands and sloughs extends three-quarters of the way across the river from the Wisconsin shore. The Upper Mississippi River NWFR occupies the land adjacent to the Wisconsin shore, both upstream and downstream from the dam. In 2004,

the facility was listed in the National Register of Historic Places as Lock and Dam No. 11 Historic District, covering XX acres.

The lock is 110 feet wide by 600 feet long with additional provisions for an auxiliary lock. The movable dam has 13 submersible Tainter gates (20-feet high by 60-feet long) and three submersible roller gates (20-feet high by 100-feet long). The roller gates submerge eight feet. The dam system also includes a 3,540-foot long, curved, non-overflow, earth and sand-filled dike.

**Lock & Dam 11 Recreation Area** is located adjacent to Lock 11. There is 0.32 miles of paved road leading to an observation and lock house. The observation deck has flush restrooms, 4 benches on the upper deck with a spotting scope for wildlife viewing, and a water fountain available for the public to use. All together, the area has 43 parking spots for the public. There is a parking lot outside the main entrance gate that can park up to 15 vehicle, mostly used by fishermen. There is a lot on the riverside of the road that can hold up to 15 vehicles, 3 of which are handicapped only. The remaining parking is on the railroad side of the road, which can park 15 vehicles. Much of the visitation there is a combination of pedestrian and vehicle traffic. There are picnic tables and benches for visitors to enjoy a meal, or watch the river traffic.

*Future Management Recommendations:*

- Construct a walking/biking path from Lock and Dam Area entrance to the observation deck to remove conflict of vehicle and biking traffic on entrance road.

## Navigation Pool 12

This pool includes 4,019 land acres and 4,612 water acres; total of 8,631 acres. Within the total acres of fee title there is 7,319 acres of GP lands and waters. Fee title land acres by state include: 3,170 acres in Illinois, 554 acres in Iowa, and 296 acres in Wisconsin.

### **Environmentally Sensitive Area:**

#### **Switzer Lake Environmentally Sensitive Area (12-E-1)**

**Jo Daviess County, Illinois**

**Mississippi River Mile: 577.0-576.6 L**

**Managed By: US Fish & Wildlife Service Savanna District**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. This area has no developments.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 100% and actively manage 0% of the area.

#### **Frentress Lake Environmentally Sensitive Area (12-E-2)**

**Jo Daviess County, Illinois**

**Mississippi River Mile: 574.4-575.7**

**Managed By: US Fish & Wildlife Service Savanna District**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple, silver maple mix, basswood mix, oak and hickory, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. This area has no developments.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 70% and actively manage 30% of the area. Active management to reach UMRSFSP goals and objectives will include timber stand improvements.

**Menominee Slough and Harris Slough Environmentally Sensitive Area (12-E-3)**

**Jo Daviess County, Illinois**

**Mississippi River Mile: 572.5-566.6**

**Managed By: US Fish & Wildlife Service Savanna District**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple, cottonwood, willow, oak and hickory, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include a public boat ramp and EMP-HREP projects.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 30% to 40% and actively manage 60% to 70% of the area. Active management to reach UMRSFSP goals and objectives will include tree plantings, timber stand improvements, timber harvest, and EMP-HREP projects.

**Wildlife Management:**

**Upper Mississippi River NWFR Managed Pool 12 Areas (12-W-1)**

**Jackson and Dubuque County, IA, Grant County, WI, and Jo Daviess County, IL**

**Mississippi River Mile: 583.0 to 556.7 R/L**

**Managed By: US Fish & Wildlife Service Savanna District**

**Land: 3084 Cooperative managed acres**

**Associated Submerged Land: 4235 Cooperative managed acres**

**Plates: TBD**

*General Description:* The **Upper Mississippi River NWFR Managed Pool 11 Areas** are cooperatively managed of the Upper Mississippi River National Wildlife & Fish Refuge (NWFR) located from river miles 583.0 to 558.3. Areas include all/or portions of Stumpf Island, Nine Mile Island, Islands number 228 and 235, Harpers Slough, Sunfish Lake, Wise Lake, and Yonkers Lake. This area is within the Savanna District management of the NWFR. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Iowa Wildlife Code, Wisconsin Wildlife Code, Illinois Wildlife Code, Title 36 and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include EMP-HREP projects.

All areas primarily include forested and non-forested wetland community types. Forested community types include silver maple mix, willow, cottonwood, oak and hickory, and bottomland hardwoods mix. Non-forested community types include shrub and scrub, wet meadow and marsh, and grasses and forbs.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 40% to 50% and actively manage 50% to 60% of the area. Active management to reach UMRSFSP goals and objectives will include tree plantings, timber stand improvements, timber harvest, and EMP-HREP projects.

#### **Vegetative Management:**

**Pool 12 Vegetative Management Area (11-V-1)**  
**Jo Daviess County, IL and Dubuque County, IA**  
**Mississippi River Mile: 579.8 to 572.7 R/L**  
**Managed By: US Army Corps of Engineers**  
**Land: less than 935 acres**  
**Associated Submerged Land: less than 377 acres**  
**Plates: TBD**

*General Description:* Navigation **Pool 12 Areas** managed by the Mississippi River Project, Natural Resource Section. Areas include all/or portions of fee title lands along the shoreline of Illinois and Iowa at river miles 579.8, and 573.5. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Iowa Wildlife Code, and Title 36. These areas have no developments.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 100% and actively manage 0% of wildlife areas.

#### **High Density Recreation:**

**Blanding Landing Recreation Area (12-H-1)**  
**Address: 5722 S River Road, Hanover, IL 61041**  
**Jo Daviess County, IL**  
**Mississippi River Mile: 558.2 L**  
**Managed By: Corps of Engineers**  
**Acres:**  
**Plates:**

*General Description:* The **Blanding Landing Recreation Area** is located 13 miles south of Galena, IL off Blackjack Road. It is This Class "A" campground features 30 campsites with 50 amp electrical service, 7 non-electrical sites, shower building, sewer dump station, playground, picnic shelter, and boat ramp. This area is a well-known birders paradise plus access to miles of great fishing. Campgrounds are open year round with fee dates of May 15 through last Sunday in October.

*Future Management Recommendations:*

- Gravel or pave designated campsites and entrance roads.
- Level ground at campsites 8 – 15 to for level designated campsites.
- Develop campsites to include impact areas for picnic tables and campfire rings.

- Pave current gravel boat ramp to reduce wash boarding and increase safety when loading and unloading boats.
- Upgrade shower building.
- Remove current metal vault toilets that exceeded life cycle and replace with new concrete vault toilet.
- Upgrade utility systems including electrical and septic.
- Construct full hookup volunteer sites to support daily O&M of recreation area.
- Integrate utilities into local municipal service if/when option becomes available.

### **Recreation Outgrants in Pool 12**

*General Description:* The **Pool 12 Recreational Outgrant Areas** are individually outgranted areas located throughout the pool. The areas listed below are all recreation outgrants (covered under real estate documents) and not directly managed by the Corps Natural Resource Staff.

*Future Management Recommendations:* Developments at any of the locations listed above will be vetted and approved through the real estate section, per the outgrant agreements for each particular location.

**Low Density Recreation:**

**Low Density Recreation sites include a variety of areas including Cottage Site Lease areas, Limited Development Areas under the SMP, recreation outgrants, Corps managed recreation sites, and other areas.**

Pool 12 Low Density Recreation							
TYPE	RIVER MILE	STATE/COUNTY	TRACT #	# IN TRACT	TOTAL ACRES	LAND USE CLASSIFICATION <sup>1</sup>	RELINQUISHED LAND USE CLASSIFICATION <sup>2</sup>
LDA/Shoreline	557.60	IA/JACKSON	Fla-050	8		Recreation Low Dense	
LDA/Shoreline	557.80	IA/JACKSON	Fla-051	6		Recreation Low Dense	
LDA/Shoreline	557.80	IA/JACKSON	Fla-052	5		Recreation Low Dense	
LDA/Shoreline	558.10	IA/JACKSON	Fla-053	2		Recreation Low Dense	
Cottage	558.50	IL/JO DAVIESS	Fl-09	1	0.5	Recreation Low Dense	
Cottage	558.50	IL/JO DAVIESS	Fl-09A	8	2.1	Recreation Low Dense	
Cottage	558.50	IL/JO DAVIESS	Fl-09,09A	1	0.53	Recreation Low Dense	
LDA/Shoreline	558.50	IA/JACKSON	Fla-054	3		Recreation Low Dense	
Cottage	559.80	IA/JACKSON	Fla-03	4	2.9	Recreation Low Dense	
Cottage	559.90	IA/JACKSON	Fla-03,03A	1	1.6	Recreation Low Dense	
Cottage	560.20	IA/JACKSON	Fla-05	7	3.8	Recreation Low Dense	
Cottage	560.40	IA/JACKSON	Fla-06	8	7.3	Recreation Low Dense	
Cottage	561.15	IA/JACKSON	Fla-07	16	10.4	Recreation Low Dense	
Cottage	561.90	IA/JACKSON	Fla-08	10	4.3	Recreation Low Dense	
Cottage	562.12	IL/JO DAVIESS	Fl-30	8	5.26	Recreation Low Dense	
LDA/Shoreline	562.30	IA/JACKSON	Fla-008	1		Recreation Low Dense	
Cottage	562.45	IL/JO DAVIESS	Fl-31	2	1.3	Recreation Low Dense	
Cottage	562.50	IL/JO DAVIESS	Fl-21	1	0.5	Recreation Low Dense	
Cottage	563.10	IL/JO DAVIESS	Fl-01, 35	1	1.1	Recreation Low Dense	
Cottage	563.20	IL/JO DAVIESS	Fl-01	3	0.6	Recreation Low Dense	
Cottage	564.00	IL/JO DAVIESS	IIs-01	1	0.9	Recreation Low Dense	
Cottage	566.10	IL/JO DAVIESS	IIs-09	1	2.7	Recreation Low Dense	
Cottage	566.10	IL/JO DAVIESS	IIs-12	9	9.05	Recreation Low Dense	
Cottage	566.30	IL/JO DAVIESS	Fl-07	2	0.87	Recreation Low Dense	
Cottage	566.50	IL/JO DAVIESS	IIs-11	5	4.62	Recreation Low Dense	
Cottage	566.90	IL/JO DAVIESS	Fl-08	2	1.4	Recreation Low Dense	

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.



Cottage	567.00	IL/JO DAVIESS	FI-38	5	2.99	Recreation Low Dense	
NON-LDA SHORELINE	574.40	IA/DUBUQUE	Fla-026	3		Recreation Low Dense	
LDA/Shoreline	574.40	IA/DUBUQUE	Fla-028	7		Recreation Low Dense	
LDA/Shoreline	577.00	IL/JO DAVIESS	FI-76	2		Recreation Low Dense	
LDA/Shoreline	578.00	IL/JO DAVIESS	FI-77	4		Recreation Low Dense	
LDA/Shoreline	578.00	IL/JO DAVIESS	FI-78	1		Recreation Low Dense	
Cottage	578.60	IL/JO DAVIESS	FI-76	3	1.54	Recreation Low Dense	

*General Description:* The **Pool 12 Recreational Outgrant Areas** are individually outgranted areas located throughout the pool. The areas listed below are all recreation outgrants (covered under real estate documents) and not directly managed by the Corps Natural Resource Staff.

Pool 12 Recreation Outgrants						
AREA NAME	RIVER MILE	STATE/COUNTY	TRACT #	ACRES	LAND USE CLASSIFICATION <sup>1</sup>	RELINQUISHED LAND USE CLASSIFICATION <sup>2</sup>
Chestnut Mountain and Ski Resort, LLC	561.3	IL/JO DAVIESS	FI-14, 16	5.5	Recreation Intensive Use	
Galena Boat Club	566.5	IL/JO DAVIESS	FI-7, 8, 38	18.4	Recreation Intensive Use	
Bent Prop Marina	577.9	IL/JO DAVIESS	FI-76, FI-78	3.09	Recreation Intensive Use	
McBenn's Enterprises LLC/ Mid Town Marina	578.9	IL/JO DAVIESS	FI-82 & ACCRETED LAND	22.9	Recreation Intensive Use	
City of East Dubuque Boat Ramp	579.1	IL/JO DAVIESS	FI-82, 83, ACCRETED LAND	4.6	Recreation Intensive Use	
Dubuque County Cons. Board/Massey Park & Marina	573.5	IA/Dubuque	Fla-26M		Recreation Intensive Use	
Jackson County Cons. Board/Spruce Creek Park/Marina	559.6	IA/JACKSON	Fla-1, 2, 3A;	84.9	Recreation Intensive Use	

*Future Management Recommendations:* Developments at any of the locations listed above will be vetted and approved through the real estate section, per the outgrant agreements for each particular location.

### **Project Operations:**

**Lock & Dam 12 Area (12-O-1)**

**Address: 401 N Riverview St, Bellevue, IA 52031**

**Jackson County, Iowa**

**Mississippi River Mile: 556.7 R**

**Managed By: Corps of Engineers**

**Acres:**

**Plates:**

*General Description:* The **Lock & Dam 12 Area** is located in Bellevue, IA. The complex stretches across the river at a point where the bluffs on the Iowa side are very close to the river; a complex of islands and sloughs extends nearly three-quarters of the way across the river from the Illinois side. Bellevue State Park occupies the high ground on the Iowa side, while the urbanized area of Bellevue extends to the government-owned property on the flat land below the bluff. The Lost Mound Unit of Upper Mississippi River NWFR occupies the islands, slough, and small flat bottom areas on the Illinois side. In 2004, the facility was listed in the National Register of Historic Places as Lock and Dam No. 12 Historic District, covering XX acres.

The lock is 110 feet wide by 600 feet long with additional provisions for an auxiliary lock. The movable dam consists of 7 submersible Tainter gates (20 feet high by 64 feet long) and 3 submersible roller gates (20 feet high by 100 feet long). The dam system also includes 2, non-overflow, earth and sand-filled dikes; 2 transitional dikes; and a concrete-covered, ogee spillway, submersible earth and sand-filled dike.

The **Lock & Dam 12 Recreation Area** is located adjacent to Lock & Dam 12. Public access is limited to a small picnic area outside the security fencing at Lock and Dam 12 Recreation Area.

*Future Management Recommendations:*

- Construct observation deck for wildlife and navigation viewing.
- Construction of vault restroom.

## Navigation Pool 13

This pool includes 8,105 land acres and 17,180 water acres; total of 25,285 acres. Within the total acres of fee title there is 24,188 acres of GP lands and waters. Fee title land acres by state include: 2,395 acres in Illinois and 5,709 acres in Iowa.

### **Environmentally Sensitive Areas:**

#### **Pleasant Creek Environmentally Sensitive Area (13-E-1)**

**Jackson County, Iowa**

**Mississippi River Mile: 550.4-552.8**

**Managed By: US Fish & Wildlife Service Savanna District**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple, willow, cottonwood, oak and hickory, silver maple mix, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Iowa Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include an EMP-HREP project, access road, water control structures, pump station, and maintenance trails.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 50% and actively manage 50% of the area. Active management to reach UMRSFSP goals and objectives will include tree plantings and timber stand improvements.

#### **Green Island Environmentally Sensitive Area (13-E-2)**

**Jackson County, Iowa**

**Mississippi River Mile: 547.0-548.6 R**

**Managed By: Iowa Department of Natural Resources Maquoketa Wildlife Unit**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple, oak and hickory, willow, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS third party agreement to the Iowa DNR. Hunting and other public use in this area are managed in accordance with the Iowa Wildlife Code and Title 36. Developments include a water control structures, access road, and maintenance trails.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 60% and actively manage 40% of the area. Active management to

reach UMRSFSP goals and objectives will include tree plantings, timber stand improvements, and timber harvest.

**Webster Village Environmentally Sensitive Area (13-E-3)**  
**Carroll County, Illinois**  
**Mississippi River Mile: 543.7-545.0 L**  
**Managed By: US Fish & Wildlife Service Savanna District**  
**Acreage:**  
**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. This area has no developments.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 100% and actively manage 0% of the area.

**Spring Lake Environmentally Sensitive Area (13-E-4)**  
**Carroll County, Illinois**  
**Mississippi River Mile: 531.7-536.2**  
**Managed By: US Fish & Wildlife Service Savanna District**  
**Acreage:**  
**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple, oak, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include a water control structures, EMP-HREP project, access road, and maintenance trails

*Future Management Recommendations:* Desired levels of forest management are to passively manage 80% and actively manage 20% of the area. Active management to reach UMRSFSP goals and objectives will include tree plantings and timber stand improvements.

**Turtle Road Environmentally Sensitive Area (13-E-5)****Carroll County, Illinois****Mississippi River Mile: 527.1-528.5****Managed By: US Fish & Wildlife Service Savanna District****Acreage:****Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include an access road.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 100% and actively manage 0% of the area.

**Thomson Environmentally Sensitive Area (13-E-6)****Carroll County, Illinois****Mississippi River Mile: 525.2-526.4****Managed By: US Army Corps of Engineers and  
US Fish & Wildlife Service Savanna District****Acreage:****Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple, river birch, oak and hickory, willow, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include an access road, parking lot, kiosk, hiking trail, and maintenance trails.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 0% to 10% and actively manage 90% to 100% of the area. Active management to reach UMRSFSP goals and objectives will include tree plantings, timber stand improvements, and timber harvest.

**Thomson-Fulton Sand Prairie Environmentally Sensitive Area (13-E-7)**

**Carroll County, Illinois**

**Mississippi River Mile: 524**

**Managed By: US Army Corps of Engineers and  
US Fish & Wildlife Service Savanna District**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes sand prairie and forested and non-forested wetland community types. Forested community types include silver maple, pine, and bottomland hardwoods mix. This area is managed, in part, for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. The area also includes \*\*\* acres of Corps managed lands including \*\*\* cottage site lease areas. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include fencing, access roads, and maintenance trails.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 10% and actively manage 90% of the area. Active management to reach UMRSFSP goals and objectives will include timber stand improvements and prescribe burning.

**Mickelson's Sand Prairie Environmentally Sensitive Area (13-E-8)**

**Whiteside County, Illinois**

**Mississippi River Mile: 523.8-524.5**

**Managed By: Illinois Department of Natural Resources**

**Acreage:**

**Plates:**

*General Description:* The area primarily includes sand prairie and forested upland community types. Forested community types include upland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS third party agreement to the Illinois DNR. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include fencing, access roads, and maintenance trails.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 100% and actively manage 0% of the area.

## **Wildlife Management:**

**Upper Mississippi River NWFR Managed Pool 13 Areas (13-W-1)**  
**Jackson County and Clinton, IA and Carroll and Whiteside County, IL**  
**Mississippi River Mile: 522.5-555.3- R/L**  
**Managed By: US Fish & Wildlife Service Savanna District**  
**Acres:**  
**Plates:**

*General Description:* The **Upper Mississippi River NWFR Managed Pool 13 Areas** include all/or portions of Harrington Slough, Pleasant Creek Wildlife Closed Area, Browns Lake, Soupbone Islands, Savanna Bay, Running Slough, Spring Lake, Cook Islands, Elk River Bottoms. These areas are within the Savanna District management of the NWFR. These areas are managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in these areas are managed in accordance with the Iowa Wildlife Code, Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. Developments include water control structures, pump station, boat ramp, kiosk, access roads, and maintenance trails.

All areas primarily include forested and non-forested wetland community types. Forested community types include silver maple, silver maple mix, willow, cottonwood, oak and hickory, river birch, and bottomland hardwoods mix. Non-forested community types include shrub and scrub, wet meadow and marsh, and grasses and forbs.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 60% and actively manage 40% of wildlife areas. Active management to reach UMRSFSP goals and objectives will include tree planting and timber stand improvements.

**Iowa DNR Managed Pool 13 Areas (13-W-2)**  
**Jackson County, IA**  
**Mississippi River Mile: 548.6 to 545.9 R/L**  
**Managed By: Iowa Department of Natural Resources – Maquoketa Wildlife Unit**  
**Acres:**  
**Plates:**

*General Description:* The **Iowa DNR Managed Pool 13 Areas** include all/or portions of Green Island. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS third party agreement to the Iowa DNR. Hunting and other public use in this area are managed in accordance with the Iowa Wildlife Code and Title 36. Developments include water control structures, pump station, boat ramp, kiosk, access roads, and maintenance trails.

All areas primarily include forested and non-forested wetland community types. Forested community types include silver maple, silver maple mix, willow, river birch, and oak and

hickory. Non-forested community types include shrub and scrub, wet meadow and marsh, and grasses and forbs.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 80% and actively manage 20% of wildlife areas. Active management to reach UMRSFSP goals and objectives will include tree planting, timber stand improvements, and prescribe burning.

#### **Vegetative Management:**

**Pool 13 Vegetative Management Areas (13-V-1)**  
**Jackson County, IA and Carroll and Whiteside County, IL**  
**Mississippi River Mile: 555.7 to 522.5 R/L**  
**Managed By: US Army Corps of Engineers**  
**Land: less than 935 acres**  
**Associated Submerged Land: less than 377 acres**  
**Plates:**

*General Description:* The **Pool 13 Vegetative Management Areas** are managed by the Mississippi River Project, Natural Resource Section. Areas include all/or portions of fee title lands along the shoreline of Iowa by Harrington Slough, Sabula Lakes, Thomson Causeway, and adjacent to the Lock and Dam 13 access road. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Iowa Wildlife Code, and Title 36. Developments include an access road.

All areas primarily include forested and non-forested wetland community types. Forested community types include silver maple, silver maple mix, willow, river birch, and oak and hickory. Non-forested community types include shrub and scrub, wet meadow and marsh, and grasses and forbs.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 50% and actively manage 50% of vegetative areas. Active management to reach UMRSFSP goals and objectives will include tree planting and timber stand improvements.

#### **High Density Recreation:**

**Pleasant Creek Recreation Area (13-H-1)**  
**Address: 19995 Hwy 52, Bellevue, IA 52031**  
**Jackson County, IA**  
**Mississippi River Mile: 552.9 R**  
**Managed By: Corps of Engineers**  
**Acres: TBD**  
**Plates: TBD**



*General Description:* The **Pleasant Creek Recreation Area** is a Class B Recreation Area located 3 miles south of Bellevue, IA, along Highway 52 (Great River Road). The campground has 55 first-come, first-serve campsites. Facilities at the campground include: sewer dump station, concrete boat ramp, gravel parking lot, drinking water and vault toilets. Camping is allowed the main campground and on the island. Both offer drinking water and vault toilets. There is no electrical service or flush toilets. The area is monitored by a volunteer campground host who assists campers with the self-registration process and is available to answer visitor questions. Campground is open year round with fee dates of May 15 through October 15.

*Future Management Recommendations:*

- Develop designated campsites with gravel impact sites for camping units, picnic table and campfire rings.
- Remove metal vault toilets in main campground and replace with concrete vault toilet.
- Upgrade bridge to island camping area to increase safety and load capacity.
- Upgrade volunteer campsite to 50 amp electrical service.
- Construct full hookup volunteer sites in main and island camping areas to support daily O&M of campground.
- Integrate utilities into local municipal service if/when option becomes available.

**Thomson Causeway Recreation Area (13-H-2)**

**Address: 1740 Lewis Avenue, Thomson, IL 61285**

**Carroll County, IL**

**Mississippi River Mile: 526.7 L**

**Managed By: Corps of Engineers**

**Acres: TBD**

**Plates: TBD**

*General Description:* The **Thomson Causeway Recreation Area** is located at the intersection of Main Street and Lewis Avenue in Thomson, IL and is adjacent to Potters Marsh Wildlife Area. Facilities include: 131 campsites (most with 30 and 50 amp service), 3 shower buildings, 3-lane dump station and additional walkup dump station, 3 playgrounds, **gravel** boat ramp with access to the main channel and backwaters, 3 picnic shelters, and horse shoe pits. Hidden Slough Nature Trail offers a ¾ mile hike through bottom land forest. Campground is open year round with fee dates of May 1 through last Sunday in October.

Potter's Marsh and Spring Lake are popular ice fishing destinations. Potter's Marsh is also a backwater haven for shore birds and waterfowl. In the spring you will find Dr. Fred Janzen of Iowa State University, along with his students, collecting data on turtles, amphibians, and reptiles.

The Thomson Causeway is built on a Mississippi River island with a rich history. Hundreds of years ago, this area was a large active site for the Woodland Indians. They used the area for trading, hunting, and rituals. Examples of their presence still exist with

two large Indian burial mounds still present in the day use area of the park. In recent history, the island was used for agriculture. Both commercial crops and melons were grown in the sandy soil, prior to the inundation of the lands by the construction of the locks and dam system in the early 20th century.

*Future Management Recommendations:*

- Construct full hookup volunteer sites across from River Birch shower building to support daily O&M of the campground and surrounding recreation areas. Sites would be outside floodplain; allowing volunteers to stay during flood events.
- Install Wi-Fi is capability if/when capability exist in the area.
- Upgrade some, if not all, campsites to full hookup.
- Construct an office, garage and storage facilities within the current boneyard to support the Thomson Ranger Station; permanent location for staff instead of renting facilities.

**Bulger's Hollow Recreation Area (13-H-3)**

**Address:** 468<sup>th</sup> Avenue, Clinton, IA 52732

**Clinton County, IA**

**Mississippi River Mile: 525.3 R**

**Managed By: Corps of Engineers**

**Acres:**

**Plates:**

*General Description:* The **Bulger's Hollow Recreation Area** is located 5 miles north of Clinton, IA. Facilities include 26 non-reservable campsites, 17 RV sites, 9 tent camping sites, gravel boat ramp, playground equipment, horse shoe pits, picnic shelter, and picnic sites. Primitive amenities available include: drinking water, vault toilets, and a dump station. Campground is open year round with fee dates of May 15 through October 15.

*Future Management Recommendations:*

- Construct gravel campsites and impact areas at designated campsites.
- Upgrade electrical system within recreation area to allow for 30 or 50 amp service at select campsites.
- Remove metal vault toilets and replace with concrete vault toilet.
- Improve gravel roads within the recreation area to allow for large camping units.
- Integrate utilities into local municipal service if/when option becomes available.

**Recreation Outgrants in Pool 13**

*General Description:* The **Pool 13 Recreational Outgrant Areas** are individually outgranted areas located throughout the pool. The areas listed below are all recreation outgrants (covered under real estate documents) and not directly managed by the Corps Natural Resource Staff.

*Future Management Recommendations:* Developments at any of the locations listed above will be vetted and approved through the real estate section, per the outgrant agreements for each particular location.

**Low Density Recreation:**

**Low Density Recreation sites include a variety of areas including Cottage Site Lease areas, Limited Development Areas under the SMP, recreation outgrants, Corps managed recreation sites, and other areas.**

DRAFT

Pool 13 Low Density Recreation							
TYPE	RIVER MILE	STATE/COUNTY	TRACT #	# IN TRACT	TOTAL ACRES	LAND USE CLASSIFICATION <sup>1</sup>	RELINQUISHED LAND USE CLASSIFICATION <sup>2</sup>
Cottage	524.00	IL/WHITESIDE	FI-5A	8	5.48	Recreation Low Dense	
Cottage	524.30	IL/WHITESIDE	FI-6	3	2.8	Recreation Low Dense	
Cottage	524.50	IL/WHITESIDE	FI-6B	5	3.89	Recreation Low Dense	
Cottage	524.70	IL/CARROLL	FI-65	2	2.7	Recreation Low Dense	
Cottage	525.50	IA/CLINTON	FIa-69	4	2.4	Recreation Low Dense	
Cottage	526.00	IL/CARROLL	FI-37	1	0.92	Recreation Low Dense	
Cottage	526.10	IA/CLINTON	FIa-93	3	6.2	Recreation Low Dense	
Cottage	526.10	IA/CLINTON	FIa-81	2	1.92	Recreation Low Dense	
Cottage	526.10	IA/CLINTON	FIa-91,93	6	7.66	Recreation Low Dense	
Cottage	526.10	IA/CLINTON	FIa-87	1	1.9	Recreation Low Dense	
Cottage	527.50	IL/CARROLL	FI-188	4	0.77	Recreation Low Dense	
Cottage	531.30	IA/CLINTON	FIa-175	2	1.43	Recreation Low Dense	
Cottage	531.50	IL/CARROLL	FI-136	5	1.87	Recreation Low Dense	
Cottage	532.00	IA/CLINTON	FIa-178	1	1.5	Recreation Low Dense	
Cottage	532.00	IL/CARROLL	FI-162	3	3	Recreation Low Dense	
Cottage	532.00	IL/CARROLL	FI-162,163	1	0.96	Recreation Low Dense	
Cottage	534.40	IL/CARROLL	FI-168	1	2	Recreation Low Dense	
Cottage	535.10	IA/JACKSON	FIa-250A	1	0.08	Recreation Low Dense	
Cottage	535.10	IA/JACKSON	FIa-250B	1	0.2	Recreation Low Dense	
Cottage	540.00	IA/JACKSON	IaIs-52	1	1.1	Recreation Low Dense	
Cottage	540.10	IA/JACKSON	IaIs-55A,56,57,58	1	0.7	Recreation Low Dense	
Cottage	540.10	IA/JACKSON	IaIs-64,65	1	0.83	Recreation Low Dense	
Cottage	542.40	IL/CARROLL	FI-224,225	1	0.21	Recreation Low Dense	
Cottage	553.60	IA/JACKSON	FIa-286	10	8.04	Recreation Low Dense	
LDA/Shoreline	529.30	IL/CARROLL	FI-113	29		Recreation Low Dense	
LDA/Shoreline	530.40	IL/CARROLL	FI-118	7		Recreation Low Dense	

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.

LDA/Shoreline	530.70	IL/CARROLL	FI-119	2		Recreation Low Dense	
LDA/Shoreline	530.40	IL/CARROLL	FI-120	36		Recreation Low Dense	
LDA/Shoreline	530.80	IL/CARROLL	FI-123	11		Recreation Low Dense	
LDA/Shoreline	530.80	IL/CARROLL	FI-126	20		Recreation Low Dense	
NON-LDA Shoreline	531.60	IL/CARROLL	FI-136	6		Recreation Low Dense	
LDA/Shoreline	528.50	IL/CARROLL	FI-194	8		Recreation Low Dense	
LDA/Shoreline	528.70	IL/CARROLL	FI-195	2		Recreation Low Dense	
NON-LDA Shoreline	544.20	IL/JO DAVIES	FI-229	4		Recreation Low Dense	
LDA/Shoreline	554.60	IA/JACKSON	FIa-287	11		Recreation Low Dense	
LDA/Shoreline	555.00	IA/JACKSON	FIa-288	12		Recreation Low Dense	

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.

Pool 13 Recreation Outgrants						
AREA NAME	RIVER MILE	STATE/COUNTY	TRACT #	ACRES	LAND USE CLASSIFICATION <sup>1</sup>	RELINQUISHED LAND USE CLASSIFICATION <sup>2</sup>
Fin N Feather	532.00	IL/CARROLL	FI-137, 138, 162	5.7	Recreation Intensive Use	
Spring Lake Resort	533.00	IL/CARROLL	FI-164	13.1	Recreation Intensive Use	
Island City Harbor/Marina	534.80	IA/JACKSON	Fla-182, 183, 184	6.2	Recreation Intensive Use	
Duck Creek Park, Driscoll's Landing, Sabula Lake - Upper, Middle & Lower	554.2; 535.4 534.6; 535.00	IA/JACKSON	Fla-182, ET AL Fla-255, 257, 258, 286, 287	484	Recreation Intensive Use	
Sabula Lakes Park - Upper & Middle	535.30	IA/JACKSON	Fla-227, ET AL	20.27	Recreation Intensive Use	
City of Savanna public recreational trail - Mississippi River Trail	536.80	IL/CARROLL	FI-199	0.11	Recreation Intensive Use	
Paradise Harbor/Lazy River Marina	540.50	IL/CARROLL	FI-203 (PART)	9.7	Recreation Intensive Use	
Illinois DNR Miller's Hollow (adjacent to Palisades State Park)	541.40	IL/CARROLL	FI-203, 210	90.21	Recreation Intensive Use	
City of Bellevue Parking Lot & Boat Ramp	556.70	IA/JACKSON	LS-1, 2, 3, 4	2.5	Recreation Intensive Use	

**Big Slough Access Area (13-L-1)**

**Address: Riverview Road, Thomson, IL 61285**

**Carroll County, IL**

**Mississippi River Mile: 531.4 L**

**Managed By: Corps of Engineers**

**Acres: TBD**

**Plates: TBD**

*General Description:* The **Big Slough Access Area** is located 4 miles north of Thomson, IL, ½ mile west of Hwy 84. Facilities include: concrete/gravel boat ramp, courtesy dock, vault toilet, concrete/gravel parking lot able to accommodate up to 60 boats. Boat launch

fee charged by honor vault at the cost of \$3.00 per launch or an annual pass can be purchased for \$30.00 per year.

*Future Management Recommendations:*

- Construct additional parking areas on adjacent lands north of current parking area; area currently a Cottage Lease and if lease is terminated than area will be used for additional parking.
- Pave parking lot and boat ramp to reduce erosion during heavy rains and flooding.

*General Description:* The **Pool 13 Recreational Outgrant Areas** are individually outgranted areas located throughout the pool. The areas listed below are all recreation outgrants (covered under real estate documents) and not directly managed by the Corps Natural Resource Staff.

*Future Management Recommendations:* Developments at any of the locations listed above will be vetted and approved through the real estate section, per the outgrant agreements for each particular location.

**Project Operations:**

**Lock & Dam 13 Area (13-O-1)**

**Address: 4999 Lock Road, Fulton, IL 61252**

**Clinton County, IA**

**Mississippi River Mile: 522.7 R**

**Managed by: Corps of Engineers**

**Acres:**

**Plates:**

*General Description:* The **Lock & Dam 13 Area** is located Fulton, IA. The complex stretches across the river at a point where the bluffs on the Iowa side are very close to the river; islands and chutes dot the river beneath the bluffs. Eagle Point Nature Center occupies the high bluff immediately above the lock and dam. A dense group of sloughs and islands extend out from the Illinois shore. In 2004, the facility was listed in the National Register of Historic Places as Lock and Dam No. 13 Historic District, covering **XX** acres.

The lock is 110 feet by 600 feet with additional provisions for an auxiliary lock. The movable dam consists of 10 submersible Tainter gates, 20-feet high by 64-feet long; and 3 submersible roller gates, 20-feet high by 100-feet long. The Tainter gates are elliptical. The dam system also includes 3 non-overflow earth and sand-filled dikes; 2 transitional dikes; and a submersible earth and sand-filled dike.

The **Lock & Dam 13 Access Area** is located 3 miles north of Fulton, IL off Hwy 84. Facilities include: **gravel** boat ramp, vault toilet, **concrete and gravel** parking lots, picnic shelter, and restroom building with observation deck which overlook the lock & dam.

*Future Management Recommendations:*

- Remove restroom with observation deck due to safety concerns.
- Construct new observation deck in current restroom building location.
- Construct new concrete vault toilet across the parking lot from current restroom.
- Move picnic shelter from Lock and Dam 13 entrance road to the recreation area near observation deck to increase usage of the shelter. Construct paved foundation for shelter to sit on.
- Remove metal vault toilets from Lock and Dam 13 entrance road.

DRAFT



## Navigation Pool 14

This pool includes 4,983 land acres and 1,633 water acres; total of 6,616 acres. Within the total acres of fee title there is 5,928 acres of GP lands and waters. Fee title land acres by state include: 926 acres in Illinois and 4,057 acres in Iowa.

### Environmentally Sensitive Areas:

**Beaver Island Environmentally Sensitive Area (14-E-1)**  
**Clinton County, Iowa**  
**Mississippi River Mile: 512.9-517.2**  
**Managed By: US Fish & Wildlife Service Savanna District**  
**Acreage:**  
**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple, willow, cottonwood, oak and hickory, silver maple mix, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Iowa Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. This area has no developments.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 70% and actively manage 30% of the area. Active management to reach UMRSFSP goals and objectives will include tree planting, timber stand improvements, and EMP-HREP project.

**Wapsipinicon River Bottoms Environmentally Sensitive Area (14-E-2)**  
**Clinton County, Iowa**  
**Mississippi River Mile: 506.7-509.2**  
**Managed By: US Fish & Wildlife Service Savanna District**  
**Acreage:**  
**Plates:**

*General Description:* The area primarily includes forested and non-forested wetland community types. Forested community types include silver maple, cottonwood, oak and hickory, and bottomland hardwoods mix. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in this area are managed in accordance with the Iowa Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. This area has no developments.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 80% and actively manage 20% of the area. Active management to reach UMRSFSP goals and objectives will include timber stand improvements.

#### **Wildlife Management:**

##### **Upper Mississippi River NWFR Managed Pool 14 Areas (14-W-1)**

**Clinton and Scott County, Iowa & Whiteside County, Illinois**

**Mississippi River Mile: 522.5 to 502.8 R/L**

**Managed By: US Fish & Wildlife Service Savanna District**

**Land: 4,564 Cooperative managed acres**

**Submerged Land: 1,364 Cooperative managed acres**

**Plates: TBD**

*General Description:* The **Upper Mississippi River NWR Managed Pool 14 Areas** include all/or portions of Johnson Creek, Sunfish/Cattail Slough, Meredosia Island, Swan Island, Hanson Slough, Wapsipinicon River Bottoms, Steamboat Slough. These areas are within the Savanna District management of the NWFR. These areas are managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS. Hunting and other public use in these areas are managed in accordance with the Iowa Wildlife Code, Illinois Wildlife Code, Title 36, and USFWS's area specific regulations for the Upper Mississippi River NWFR. These areas have no developments.

All areas primarily include forested and non-forested wetland community types. Forested community types include silver maple, silver maple mix, willow, cottonwood, oak and hickory, and bottomland hardwoods mix. Non-forested community types include shrub and scrub, wet meadow and marsh, and grasses and forbs.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 70% and actively manage 30% of wildlife areas. Active management to reach UMRSFSP goals and objectives will include tree planting, timber stand improvements, timber harvest, and EMP-HREP projects.

##### **Iowa DNR Managed Pool 14 Areas (14-W-2)**

**Scott County, Iowa**

**Mississippi River Mile: 506 to 504.3 R**

**Managed By: Iowa Department of Natural Resources Maquoketa Wildlife Unit**

**Acres: TBD**

**Plates: TBD**

*General Description:* The **Iowa DNR Managed Pool 14 Areas** include all/or portions of Princeton Wildlife Area. This area is managed for fish and wildlife enhancement purposes under a GP lands agreement by USFWS third party agreement to the Iowa DNR. Hunting and other public use in this area are managed in accordance with the Iowa Wildlife Code and Title

36. Developments include a boat ramp, water control structures, pump station, access road, parking lot, maintenance trails, and EMP-HREP project.

All areas primarily include forested and non-forested wetland community types. Forested community types include silver maple, silver maple mix, willow, river birch, and oak and hickory. Non-forested community types include shrub and scrub, wet meadow and marsh, and grasses and forbs.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 50% and actively manage 50% of wildlife areas. Active management to reach UMRSFSP goals and objectives will include tree planting and timber stand improvements.

#### **Vegetative Management:**

**Pool 14 Vegetative Management Areas (14-V-1)**  
**Scott County, Iowa and Rock Island County, Illinois**  
**Mississippi River Mile: 493.2-502.0 R/L**  
**Managed By: US Army Corps of Engineers**  
**Land: less than 935 acres**  
**Submerged Land: less than 377 acres**  
**Plates:**

*General Description:* The **Pool 13 Vegetative Management Areas** are managed by the Mississippi River Project, Natural Resource Section. Areas include all/or portions of fee title lands along the shoreline of Iowa and Illinois. Hunting and other public use in this area are managed in accordance with the Illinois Wildlife Code, Iowa Wildlife Code, and Title 36. Developments include a hiking trail, foot bridge, and dredge placement.

All areas primarily include upland forested and forested and non-forested wetland community types. Forested community types include silver maple, willow, oak and hickory, upland hardwood mix, and bottomland hardwood mix. Non-forested community types include shrub and scrub, wet meadow and marsh, and grasses and forbs.

*Future Management Recommendations:* Desired levels of forest management are to passively manage 80% and actively manage 20% of vegetative areas. Active management to reach UMRSFSP goals and objectives will include tree planting and timber stand improvements.

### **High Density Recreation:**

**Fisherman's Corner North Recreation Area (14-H-1)**

**Address: 16123 – 84 Rte N, Hampton, IL 61256**

**Rock Island County, IL**

**Mississippi River Mile: 493.3 L**

**Managed By: Corps of Engineers**

**Acres: TBD**

**Plates: TBD**

*General Description:* The **Fisherman's Corner North Recreation Area** is located in Hampton, IL, just north of the Quad Cities off Illinois Highway 84. Fisherman's Corner South Recreation Area is located ¼ mile downstream. Facilities include: 56 campsites (most with 30 and 50 amp service), shower building, two lane dump station, playground equipment and horse shoe pits. This area is open May 1<sup>st</sup> through the last Sunday in October.

*Future Management Recommendations:*

- Construct a group camping area to accommodate large camping or civic groups in the current cabin lease scheduled for termination upstream of park. Develop pathway to connect proposed group area to main campground.
- Reconstruct the creek in the vegetation just upstream of the campground to historic depth to remove the hazard of flash flooding in the upstream side of campground.
- Upgrade shower building.
- Replace fee booth that has been damaged by multiple flood events.
- Remove heavy vegetation along shoreline.
- Construct full hookup volunteer sites to support daily O&M of the campground, and surround recreation areas as well as support Visitor Center operations.
- Upgrade some, if not all, campsites to full hookup.
- Install Wi-Fi is capability if/when capability exist in the area.

### **Recreation Outgrants in Pool 14**

*General Description:* The **Pool 14 Recreational Outgrant Areas** are individually outgranted areas located throughout the pool. The areas listed below are all recreation outgrants (covered under real estate documents) and not directly managed by the Corps Natural Resource Staff.

*Future Management Recommendations:* Developments at any of the locations listed above will be vetted and approved through the real estate section, per the outgrant agreements for each particular location.

### **Low Density Recreation:**

**Low Density Recreation sites include a variety of areas including Cottage Site Lease areas, Limited Development Areas under the SMP, recreation outgrants, Corps managed recreation sites, and other areas.**

#### **Cattail Slough Recreation Area (14-L-1)**

**Address: Ebson Road, Fulton, IL 61252**

**Whiteside County, IL**

**Mississippi River Mile: 517.8 L**

**Managed By: Corps of Engineers**

**Acres: TBD**

**Plates: TBD**

*General Description:* The **Cattail Slough Recreation Area** is located ¼ mile southwest of Fulton, IL off Hwy 84. Facilities include: concrete/gravel boat ramp, courtesy dock, vault toilet, concrete/gravel parking lot able to accommodate up to 30 boats. Boat launch fee charged by honor vault at the cost of \$3.00 per launch or an annual pass can be purchased for \$30.00 per year.

#### *Future Management Recommendations:*

- Pave parking lot and boat ramp to reduce daily and post flood event O&M.

Pool 14 Low Density Recreation							
TYPE	RIVER MILE	STATE/COUNTY	TRACT #	# IN TRACT	TOTAL ACRES	LAND USE CLASSIFICATION <sup>1</sup>	RELINQUISHED LAND USE CLASSIFICATION <sup>2</sup>
Cottage	494.00	IL/ROCK ISLAND	FI-7	7	11	Recreation Low Dense	
Cottage	494.30	IA/SCOTT	Fla-20	1	0.9	Recreation Low Dense	
Cottage	494.40	IA/SCOTT	Fla-22	1	0.3	Recreation Low Dense	
Cottage	494.40	IA/SCOTT	Fla-21	1	0.5	Recreation Low Dense	
Cottage	494.40	IA/SCOTT	Fla-23	1	0.97	Recreation Low Dense	
Cottage	494.50	IL/ROCK ISLAND	FI-9	10	6.42	Recreation Low Dense	
Cottage	494.50	IL/ROCK ISLAND	FI-7	2	0.9	Recreation Low Dense	
Cottage	494.50	IL/ROCK ISLAND	FI-8	1	0.99	Recreation Low Dense	
Cottage	494.60	IL/ROCK ISLAND	FI-10	1	0.88	Recreation Low Dense	
Cottage	494.60	IA/SCOTT	Fla-33	1	0.23	Recreation Low Dense	
Cottage	494.60	IA/SCOTT	Fla-31	1	0.69	Recreation Low Dense	
Cottage	494.60	IA/SCOTT	Fla-35	1	0.34	Recreation Low Dense	
Cottage	494.90	IA/SCOTT	Fla-43,44	1	0.23	Recreation Low Dense	
Cottage	494.90	IA/SCOTT	Fla-48	1	0.12	Recreation Low Dense	
Cottage	494.90	IA/SCOTT	Fla-46	1	0.12	Recreation Low Dense	
Cottage	494.90	IA/SCOTT	Fla-41,42	1	0.3	Recreation Low Dense	

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.

Cottage	494.90	IA/SCOTT	Fla-50	1	0.18	Recreation Low Dense	
Cottage	494.90	IA/SCOTT	Fla-47	1	0.11	Recreation Low Dense	
Cottage	495.00	IA/SCOTT	Fla-55	2	0.36	Recreation Low Dense	
Cottage	495.00	IA/SCOTT	Fla-54	2	0.54	Recreation Low Dense	
Cottage	495.00	IA/SCOTT	Fla-53	1	0.19	Recreation Low Dense	
Cottage	495.00	IA/SCOTT	Fla-52	1	0.18	Recreation Low Dense	
Cottage	495.00	IA/SCOTT	Fla-53	10	4.37	Recreation Low Dense	
Cottage	495.10	IA/SCOTT	Fla-57	1	0.13	Recreation Low Dense	
Cottage	496.80	IL/ROCK ISLAND	FI-54	2	1.5	Recreation Low Dense	
Cottage	496.80	IL/ROCK ISLAND	FI-53,54	1	0.6	Recreation Low Dense	
Cottage	496.90	IL/ROCK ISLAND	FI-55	1	1.2	Recreation Low Dense	
Cottage	505.00	IA/SCOTT	IaIs-8	1	1.7	Recreation Low Dense	
Cottage	507.70	IA/CLINTON	Fla-248	1	2.6	Recreation Low Dense	
Cottage	507.90	IA/CLINTON	Fla-248,269	1	0.6	Recreation Low Dense	
Cottage	508.00	IA/CLINTON	Fla-269,272	1	0.7	Recreation Low Dense	
Cottage	508.20	IA/CLINTON	Fla-272	1	0.5	Recreation Low Dense	
Cottage	508.40	IA/CLINTON	Fla-279	2	1.05	Recreation Low Dense	
Cottage	508.60	IA/CLINTON	Fla-280	11	5.55	Recreation Low Dense	
Cottage	509.00	IA/CLINTON	IaIs-14	1	1	Recreation Low Dense	
Cottage	509.10	IA/CLINTON	Fla-297	1	0.83	Recreation Low Dense	
NON-LDA SHORELINE	497	IL/ROCK ISLAND	FI-061	2		Recreation Low Dense	
NON-LDA SHORELINE	497	IL/ROCK ISLAND	FI-067	1		Recreation Low Dense	
NON-LDA SHORELINE	493.8	IA/SCOTT	Fla-008	1		Recreation Low Dense	
NON-LDA SHORELINE	498.7	IA/SCOTT	Fla-125	1		Recreation Low Dense	
NON-LDA SHORELINE	499.3	IA/SCOTT	Fla-134	2		Recreation Low Dense	
LDA/SHORELINE	501.3	IA/SCOTT	Fla-160	8		Recreation Low Dense	

Pool 14 Recreation Outgrants						
AREA NAME	RIVER MILE	STATE/COUNTY	TRACT #	ACRES	LAND USE CLASSIFICATION <sup>1</sup>	RELINQUISHED LAND USE CLASSIFICATION <sup>2</sup>
Green Gables Marina	494.80	IA/SCOTT	Fla-36, 37, 38, 39, 40	3.16	Recreation Intensive Use	
Shuler's Shady Grove Bikeway	496.60	IL/ROCK ISLAND	FI-52	6	Recreation Intensive Use	
The Great River Tug site	497.40	IL/ROCK ISLAND	FI-80, 81, 82, 83	4.32	Recreation Intensive Use	

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.

Rock Creek public use area/Marina	507.60	IA/CLINTON	Fla-243, 248	94.4	Recreation Intensive Use	
City of Clinton road, boat ramp & parking area	510.50	IA/CLINTON	Fla-323	1.7	Recreation Intensive Use	
Joyce & Willow Island - bike/hike trail	519.60	IA/CLINTON	IaIs-125, 126	73.1	Recreation Intensive Use	

### **Project Operations:**

#### **Locks & Dam 14 Area (14-O-1)**

**Address: 25549 – 182<sup>nd</sup> Street, Pleasant Valley, IA 52767**

**Scott County, IA**

**Mississippi River Mile: 493 R**

**Managed by: Corps of Engineers**

**Acres: TBD**

**Plates: TBD**

*General Description:* The **Locks & Dam 14 Area** is located 4 miles below Le Claire, IA and 3.6 miles below the head of the notorious, rock-bedded, Rock Island Rapids. The Le Claire Lock and the remains of the Le Claire Lateral Canal, built in 1921-1924 to bypass this treacherous stretch of river, are located along the Iowa shore. In 2004, the facility was listed in the National Register of Historic Places as Lock and Dam No. 14 Historic District, covering **XX** acres.

The main lock's dimensions are 110 by 600 feet. The dimensions of the LeClaire Lock, which is used as an auxiliary lock, are 80 by 320 feet, with a low-water depth of 8 feet at the upper sill and 7 feet at the lower sill. The movable dam has 13 non-submersible Tainter gates (20 feet high by 60 feet long) and 4 submersible roller gates (20 feet high by 100 feet long). The dam system also includes an earth and sand-filled dike.

The **Locks & Dam 14 /Smith's Island Access Area** is located just down river of Le Claire, IA off Hwy 67. Facilities include: a one mile hiking trail, reserveable picnic shelter, and vault toilets. The boardwalk connecting the parking lot to Smith's Island is a prime location for fishing and wildlife viewing. Lock and Dam 14 is a destination for eagle viewing during the colder winter months.

#### *Future Management Recommendations:*

- An improvement to the foundation of the boardwalk is necessary in some locations to ensure boardwalk can safely be traversed and access to Smith's Island remains open.
- Construct artificial eagle habitat on Smith's Island to replace dying trees.
- Pave parking area.

Current version of rough draft is not intended for public release and is not yet ready for public review and comment.

## Navigation Pool 15

This pool includes XXXX land acres and XXXX water acres; total of XXXX acres. Within the total acres of fee title there is 0 acres of GP lands and waters. Fee title land acres by state include: XXXX acres in Illinois and XXX acres in Iowa.

### Low Density Recreation:

#### Low Density Recreation sites in Pool 15 includes Cottage Site Lease areas and Corps managed recreation sites.

##### **Fisherman's Corner South Recreation Area (15-L-1)**

**Rock Island County, IL**

**Mississippi River Mile:**

**Managed by: Corps of Engineers**

**Acres: TBD**

**Plates: TBD**

*General Description:* **Fisherman's Corner South Recreation Area** is located in Hampton, IL, just north of the Quad Cities off Illinois Highway 84. This area is popular for bank fishing and wildlife viewing. Facilities include: ...gravel road, gravel parking lot, vault toilet, picnic tables and water hydrant.

##### *Future Management Recommendations:*

- Move vault toilet closer to the river where activities occur.
- Pave road and parking area.
- Construct playground equipment and impact zone.
- Construct picnic shelter.

### Project Operations:

##### **Lock & Dam 15 Area (15-O-1)**

**Visitor Center Address: Building 328, Arsenal Island, Rock Island, IL 61204**

**Rock Island County, IL**

**Mississippi River Mile: 483 L**

**Managed by: Corps of Engineers**

**Acres: TBD**

**Plates: TBD**

*General Description:* The **Locks & Dam 15 Area** is located in the heart of the Quad Cities (Davenport, IA). It was the first dam of the 9 foot channel project built by the USACE. The complex stretches across the river at one of its narrowest points at the foot of the Rock Island Rapids. The complex extends from the northwest tip of the Army's Arsenal Island on the Illinois side, to a small area of flat-bottom land on the Iowa side. A roadway and



railroad bridge, joining Davenport and Rock Island, spans the site. In 2004, the facility was listed in the National Register of Historic Places as Lock and Dam No. 15 Historic District, covering XX acres.

The main lock is 110 by 600 feet long and the auxiliary lock is 110 by 360 feet. The 1,203-foot-long movable dam is the largest roller dam in the world consisting of 11 non-submersible 100-foot-long roller gates.

The **Mississippi River Visitor Center** overlooks Locks & Dam 15 on Arsenal Island in Rock Island, IL. The Center gives visitors an excellent opportunity to view towboats and locking process. The second floor of the Center is a great place to observe the river traffic from either inside or outside on the observation deck. The facility offers several educational displays including a river floor map, an aquarium with native Mississippi River fish and a mounted Bald Eagle. Facilities include: a movie theater, gift shop, and exhibit area. The Visitor Center is accessible. All services are free of charge to the public. Park Rangers and volunteers staff this facility.

*Future Management Recommendations:*

- Construct a multi-use classroom, with office space of NRM and Lock and Dam staff, that is used for interpretative and education programs while providing additional meeting space.
- Upgrade audio/visual room in Visitor Center with new technology and make ADA compliant.
- See Chapter 6 for additional Visitor Center proposals.